

WHAT IS CLAIMED IS:

1. A video display controller, comprising:  
a graphics processing unit adapted to receive input and transmit output to one or more  
5 display devices; and  
a single display device connector in communication with the graphics processing unit;  
wherein the video display controller is adapted to independently control a first display  
device and a second display device through the display device connector.
- 10 2. The video display controller of claim 1, wherein the display device connector is a  
DVI-I connector.
3. The video display controller of claim 1, wherein the first display device is an analog  
display device.
- 15 4. The video display controller of claim 1, wherein the second display device is a digital  
display device.
5. The video display controller of claim 1, further comprising a first control channel and  
20 a second control channel.
6. The video display controller of claim 5, wherein the first control channel is adapted  
to use a Display Data Channel Command Interface.
- 25 7. The video display controller of claim 5, wherein the second control channel is adapted  
to use a Display Data Channel Command Interface.

8. A dongle for connecting a video display controller with a first display device and a second display device, the video display controller comprising a graphics processing unit adapted to receive input and transmit output to one or more display devices, the video display controller further comprising a single display device connector in communication with the graphics processing unit, and wherein the video display controller is adapted to independently control the first display device and the second display device through the display device connector, the dongle comprising:  
5 routing circuitry capable of:

routing a first video channel and a first control channel from the video display controller to the first display device, and

10 routing a second video channel and a second control channel from the video display controller to the second display device.

9. The dongle of claim 8, wherein the first video channel is a TMDS channel and the second video channel is an analog VGA channel.

15 10. The dongle of claim 8, wherein the first video channel is a TMDS channel and the second video channel is a TMDS channel.

20 11. The dongle of claim 8, wherein the first control channel and the second control channel are adapted to use a Display Data Channel Command Interface.

12. The dongle of claim 8, further comprising a dongle detection circuit, wherein the dongle detection circuit signals the video display controller that the dongle is attached to the video display controller.

13. An information handling system, comprising:  
a first display device;  
a second display device;  
a video display controller in communication with the first display device and

5 the second display device, the video display controller comprising:

a graphics processing unit adapted to receive input and transmit output  
to one or more display devices; and

a single display device connector in communication with the graphics  
processing unit;

10 wherein the video display controller is adapted to independently  
control the first display device and the second display device through the single display device  
connector;

14. The information handling system of claim 13, further comprising a housing,  
15 wherein the video display controller is generally within the housing.

15. The information handling system of claim 14, wherein the housing is a Small  
Form Factor (SFF) housing.

20 16. The information handling system of claim 14, wherein the housing is a laptop  
housing.

17. The information handling system of claim 13, wherein the first display device  
is an analog display device.

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18. The information handling system of claim 13, wherein the second display  
device is a digital display device.

19. The information handling system of claim 18, wherein the second display device is capable of receiving TMDS.

5                   20. The information handling system of claim 13, further comprising:  
                    a dongle comprising circuitry capable of:  
                        routing a first video channel and a first control channel from the video  
display controller to the first display device, and  
                        routing a second video channel and a second control channel from the  
10 video display controller to the second display device.